

SECTION 1.0

INTRODUCTION

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The 2001-2002 Hydrologic Data Report contains hydrologic data from Orange County collected during the 12-month period, July 1, 2001 through June 30, 2002. The purpose of the report is to collate hydrologic information that can be used in water related studies including water quality, sediment transport and watershed runoff modeling. The data is also used in updating the Orange County Hydrology Manual, preparing NPDES Stormwater and TMDL compliance reports, litigation and in designing flood control facilities and water conservation structures.

The Hydrologic Data Report is separated into three sections which are briefly discussed below:

1. Precipitation - Describes the precipitation network and summarizes rainfall data for specific stations within Orange County. Included is an overview of the ALERT flood detection system.
2. Streamflow - Provides information regarding the streamgaging network and includes monthly and seasonal discharge data for selected stations. Also provided is information on the USGS streamgaging stations in Orange County.
3. Evaporation, Reservoirs and Dams - Provides data for several historical and current evaporation stations. Also provided is a summary of the flood control and water conservation dams with specific data for Villa Park, Sulphur Creek and Prado Dams.